



THE UNIVERSE

Created by Gallimard Jeunesse and Jean-Pierre Verdet Illustrated by Donald Grant

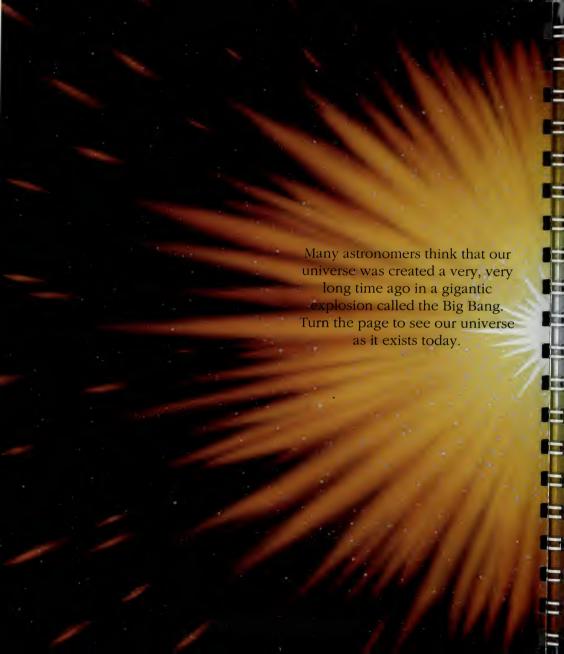


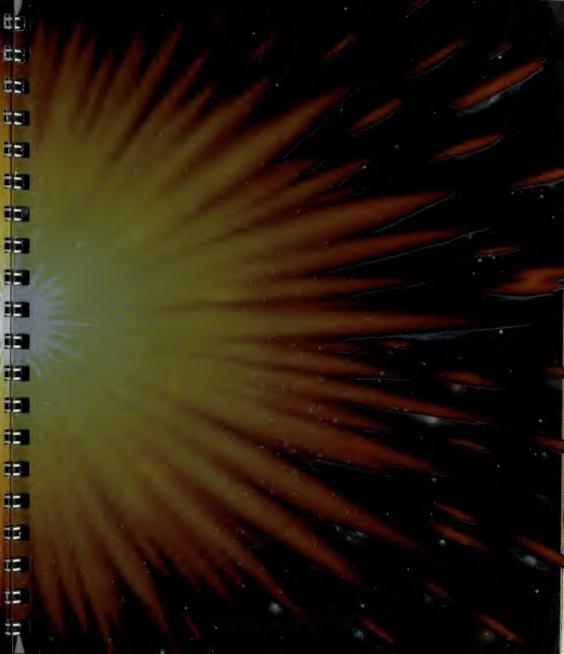
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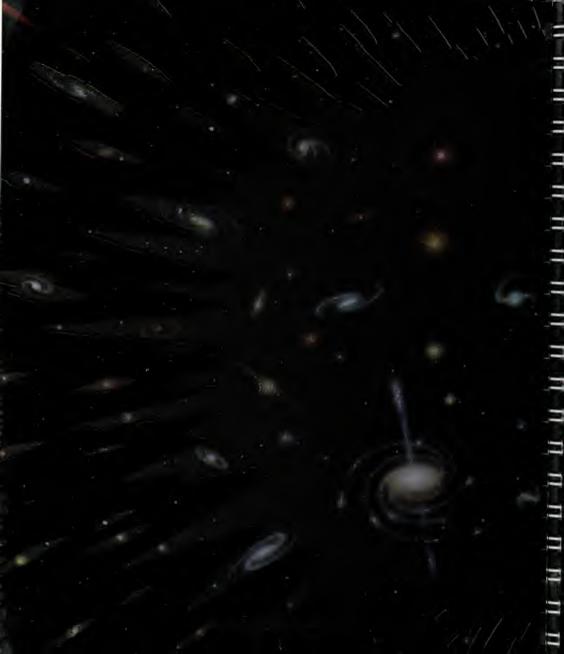
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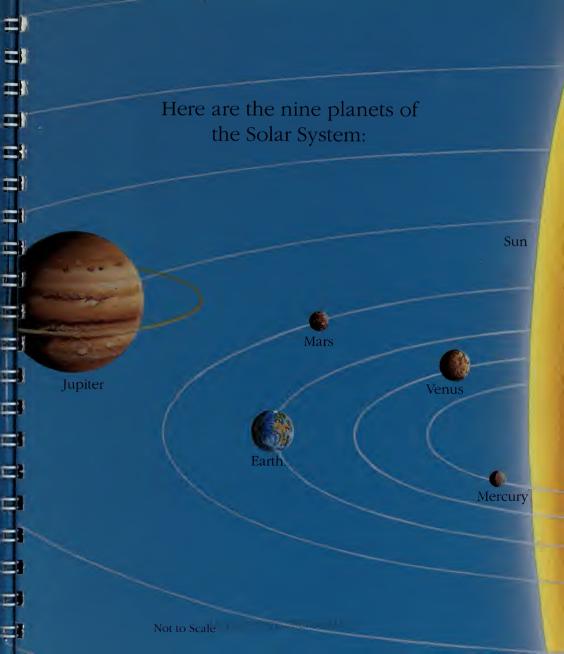




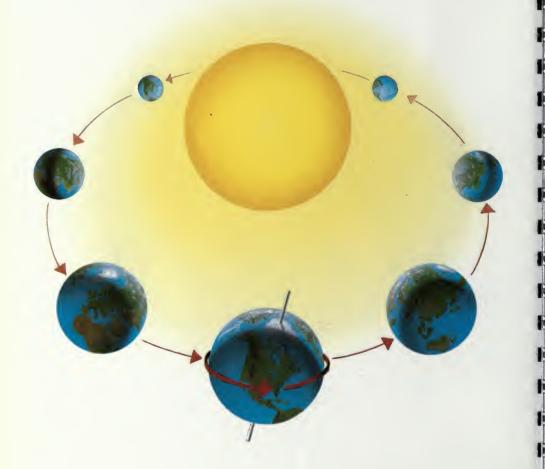








It takes one year for Earth to travel around the Sun. It takes one day or twenty-four hours for Earth to spin around.







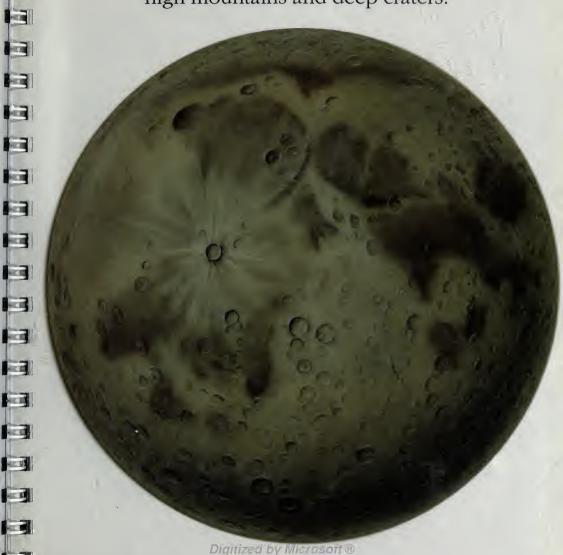
It takes about one month for the Moon to travel around Earth.



From 1969 to 1972, Americans sent astronauts to explore the surface of the Moon.

The Moon has no air. The surface is covered with high mountains and deep craters.

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Astronauts traveled on foot and in lunar rovers (or moon buggies) while on the Moon. They brought back hundreds of pounds of moon rocks.

Our Earth is made up of layers: crust, mantle, outer and inner core.



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Mars, Venus, and Mercury are rocky.



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Mercury looks like the Moon, but is much hotter.

Mars has the deepest canyon and the highest mountain known in the solar system.



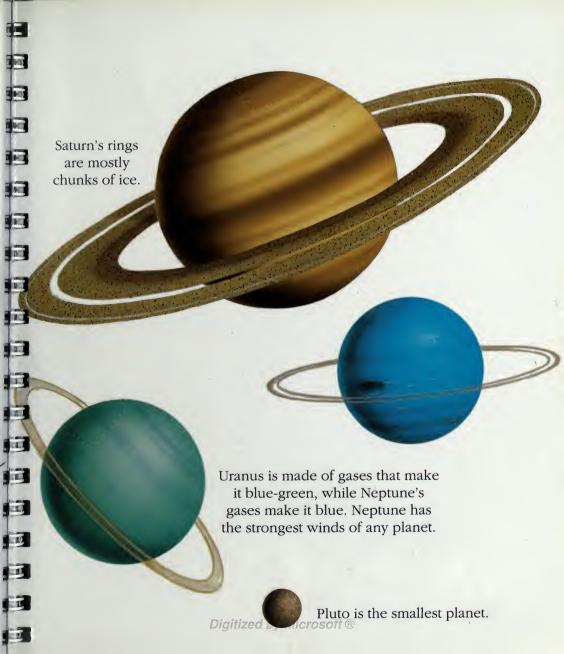
The Magellan spacecraft found that underneath thick, poisonous clouds, the

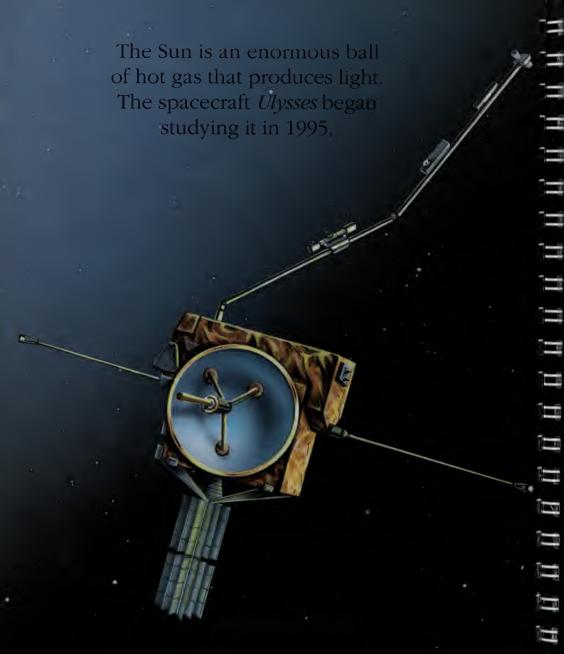
surface of Venus is marked with volcanoes.

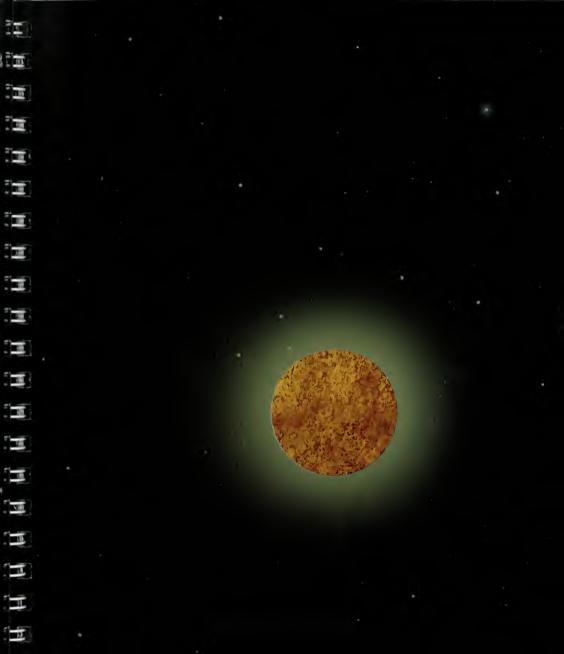
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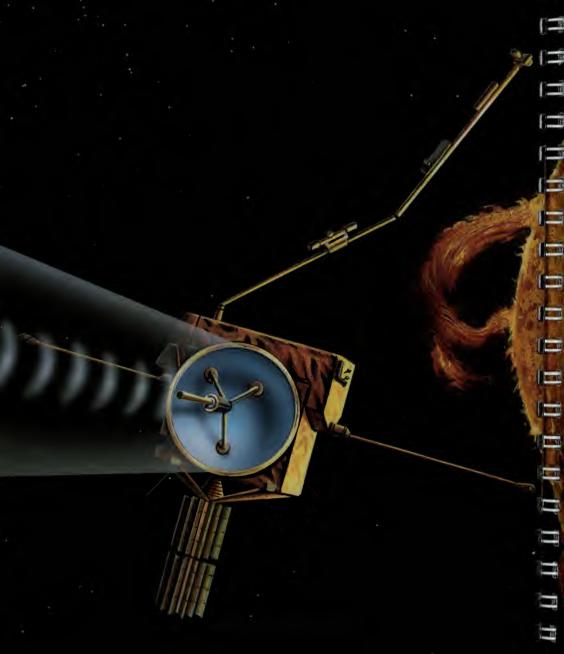
Jupiter is the biggest planet. It is made of gases.

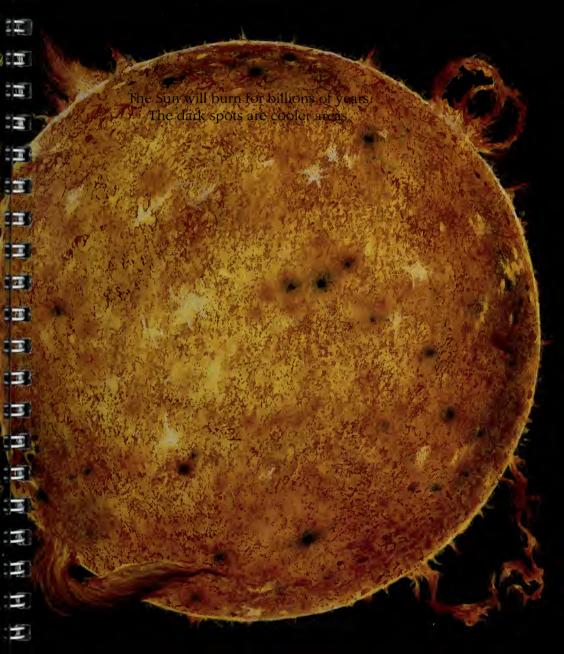




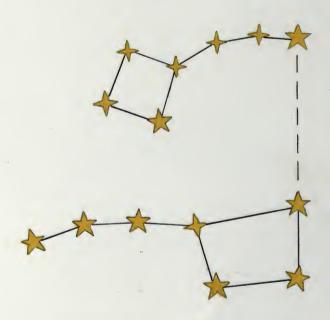




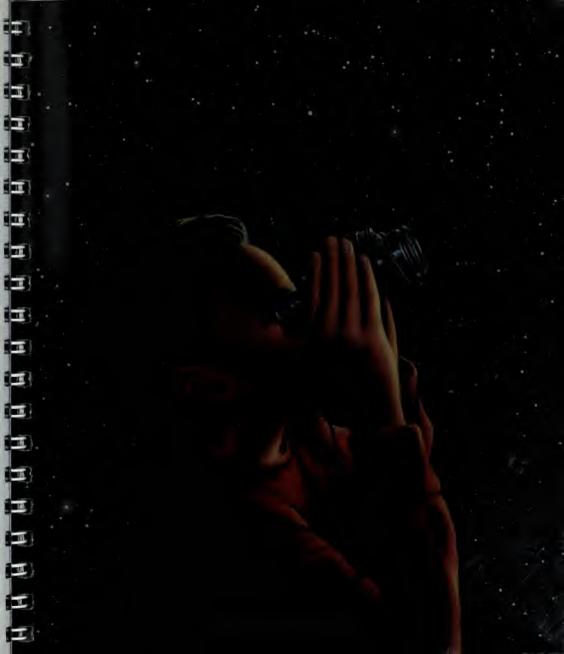


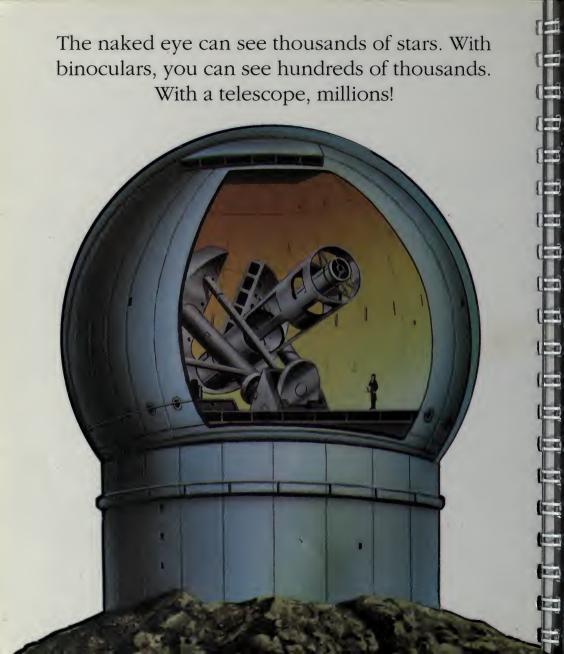


The naked eye can see thousands of stars. With binoculars, you can see hundreds of thousands. With a telescope, millions!



Look for the Big and Little Dippers. The handle star of the Little Dipper shows which way is north.





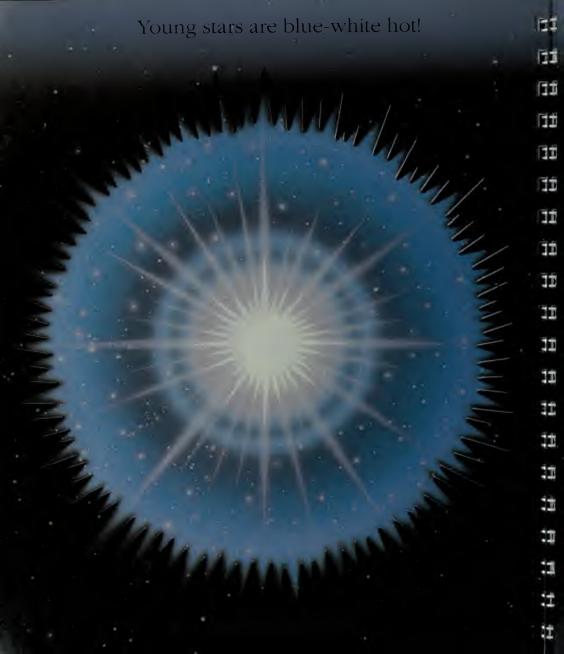




= 1 1 Our galaxy is one of billions in the universe. 13 1 = **I** 1 I 13

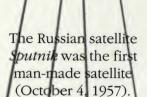
Young stars are blue-white hot! 重 E I H 旨 H

At the end of their lives, stars swell and then explode.



At the end of their lives, stars swell and then explode. Most become so small that we call them "white dwarfs." 1 1 II H H

Some space history:





The dog Laika was the first living being to orbit the Earth (November 3, 1957).

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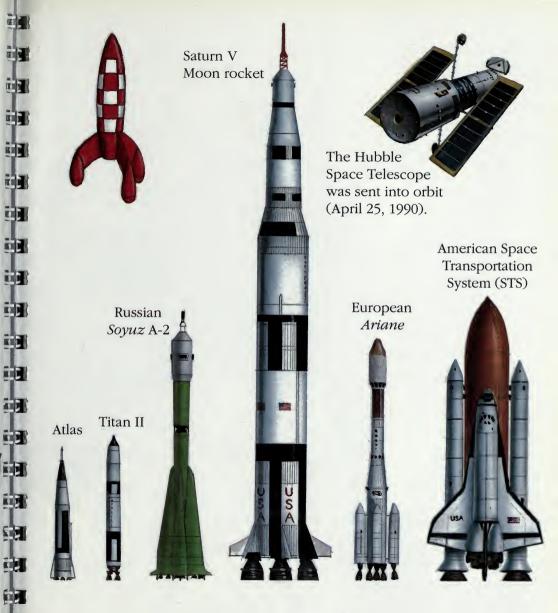
Yuri Gagarin, a Russian, was the first human to travel in space (April 12, 1961).





The American *Apollo* and Russian *Soyuz* met in space (July 17–19, 1975).

Neil Armstrong, Buzz Aldrin, and Michael Collins were the crew of Apollo 11, which went to the Moon (July 20, 1969). Wicrosoft ®



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Library of Congress Cataloging-in-Publication Data available.

Originally published in France under the title Atlas du ciel by Editions Gallimard Jeunesse.

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ISBN 0-590-96212-4

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This edition American text by Wendy Barish.

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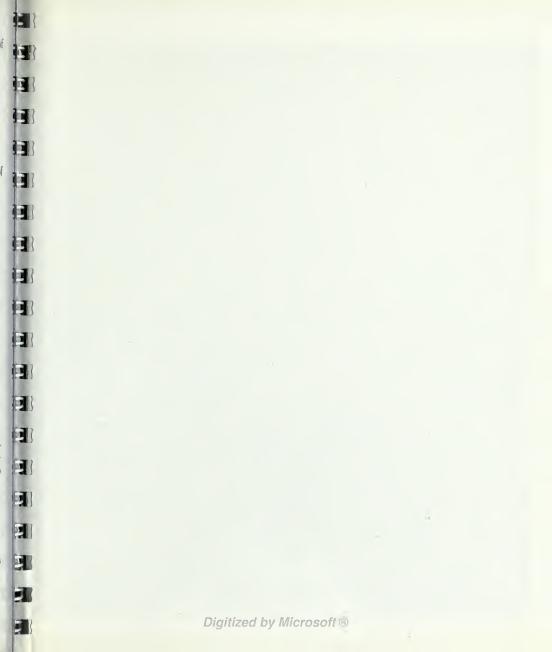
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Printed in Italy by Editoriale Libraria Digitized by Microsoft ®

First Scholastic printing, August 1997



In this unique introduction to THE UNIVERSE, A First Discovery Book, young children can discover the solar system, follow the life of a star, and stare at the Sun close-up! This fabulous voyage takes children to the Moon, introduces them to each of the planets, and invites them to wonder about the millions of galaxies beyond our own.



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